

1. A voice dialing system for use with the Internet, the system comprising:

- a data storage device for storing voice dialing subscriber records;
- a first computer system for coupling a voice dialing subscriber to the Internet;
- a second computer system coupled to the Internet, the second computer system including means for updating a voice dialing subscriber record in response to voice dialing information received from the subscriber via the Internet;
- a telephone switch; and
- means for generating a telephone number corresponding to speech coupled to the telephone switch, the second computer system, and the data storage device.

2. The voice dialing system of claim 1, wherein the voice dialing information received from the subscriber via the Internet is text information including the name of a party and a telephone number corresponding to the named party.

3. The voice dialing system of claim 2, further comprising:

means for generating a speaker independent speech recognition model from the name of the party included in the received text information.

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1       15. The voice dialing system of claim 14, further  
2       comprising:  
3               an integrated service control point coupled to  
4       the telephone switch, the integrated service control  
5       point including a voice dialing service subscriber call  
6       processing record, the call processing record including  
7       information identifying said intelligent peripheral  
8       device which includes the subscriber's voice dialing  
9       record.

16. A method of implementing a voice dialer, comprising:  
receiving first text corresponding to a first  
name via the Internet;  
generating a first speaker independent speech  
recognition model from said first text;

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1        17. The method of claim 16, further comprising:  
2                entering the first text into a computer system;  
3        and  
4                operating the computer system to transmit, via  
5        the Internet, the first text to a speech recognition  
6        model training device used to generate the first speaker  
7        independent speech recognition model.

1        18. The method of claim 17, wherein the step of  
2        operating the computer system to transmit the first text  
3        includes the step of:  
4                transmitting the first text over the Internet  
5        to the speech recognition model training device.

1        19. The method of claim 18, wherein step of generating a  
2        first speaker independent speech recognition model  
3        includes:  
4                operating the speech recognition model training  
5        device to perform a text to phoneme conversion operation  
6        on the first text.

1      20. The method of claim 18, further comprising the step  
2      of:

3                   generating a second speaker independent speech  
4   recognition model from second text corresponding to a  
5   second name, the second name being a nick-name of a party  
6   or individual identified by the first name;  
7                   storing the second speaker independent speech  
8   recognition model in the storage device, the second  
9   speaker independent speech recognition model being  
10   associated with the first telephone number.

7 storing the second speaker independent speech  
8 recognition model in the storage device, the second  
9 speaker independent speech recognition model being  
10 associated with the first telephone number.

1      21. The method of claim 20, further comprising:

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2           entering the second text into the computer
3   system; and
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4           operating the computer system to transmit the  
5       second text to the speech recognition model training  
6       device via the Internet.

1        22. The method of claim 21, further comprising the step  
2        of:

3           receiving a first text telephone number  
4    identifier to be associated with the first telephone  
5    number; and

6 associating, in the storage device, the first  
7 text telephone number identifier with the first telephone  
8 number.

1        23. The method of claim 22, further comprising the step  
2        of:

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3         receiving a second telephone number
4         corresponding to the first name and a second text

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accessing the intelligent peripheral device via the Internet to retrieve voice dialing record information corresponding to a user of the computer system;

1        30. The method of claim 29, further comprising the step  
2        of:  
3                using the telephone switch to establish an  
4        audio connection between the voice dialing service  
5        subscriber and the intelligent peripheral device;



31. A digital data storage media, comprising:

a first voice dialing record corresponding to a first voice dialing service subscriber, the first voice dialing record including:

a first subscriber identifier associated with a voice dialing service subscriber; and

a first calling entry, the first calling entry including first text corresponding to a first name, a first speaker independent speech recognition model for recognizing speech corresponding to said first name, a first telephone number associated with said first name and a first telephone number identifier associated with said first telephone number.

1        32. The digital data storage media of claim 31, wherein  
2        the first calling entry further includes:  
3                a second telephone number associated with said  
4        first name and a second telephone number identifier  
5        associated with said second telephone number.

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38. The digital data storage media of claim 31, wherein the first voice dialing record further includes:

a mobile telephone number associated with the first subscriber.

1 39. The digital data storage media of claim 31, wherein  
2 the first voice dialing record further includes:  
3 a corporate dialer identifier.

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